

Claims

1. Holding device for a mobile telephone (100) comprising a holding surface (215), a head-holding bracket (220, 435) spaced from the holding surface (215), and a pressing unit (300, 450), in which the pressing unit (300) comprises an elastic pressing element (340) which is suitable to exert, on the foot area (107) of the mobile telephone (100), a holding force (F_{hold}) parallel to the longitudinal axis of the mobile telephone (100) so that a head area (106) of the mobile telephone (100) is pressed against the head-holding bracket (220, 435), where the head-holding bracket (220, 435) and a foot-holding bracket (260, 436) are furthermore provided to secure the mobile telephone (100) on the holding surface (215) against a force in the transverse direction.
2. Holding device according to claim 1, in which the pressing unit (300, 450) can be displaced against a restoring force if a displacing force is exerted on the pressing unit (300, 450) for the insertion of the mobile telephone (100) at an acute angle (α), where the angle (α) is defined by the holding surface (215) and the longitudinal axis of the mobile telephone (100) and where the restoring force results from the displacement of the pressing element (340) of the pressing unit (300, 450).
3. Holding device according to claim 2, in which the pressing unit (300, 450) can be displaced, by a predetermined displacement (ΔY_2), by the mobile telephone (100) guided at an acute angle (α) so that the mobile telephone (100) can, by a pivoting motion, be pivoted into the holding device.
4. Holding device according to one of the foregoing claims, in which the pressing unit (300), due to the pressing element

(340) having no force acting on it, is in a neutral position (Y_0) so that the pressing unit (300) and the head-holding bracket (220, 435) are spaced from one another by a predetermined length (Y_H) which corresponds to the extension of the mobile telephone (100) in the longitudinal direction less a predetermined difference in length (ΔY_3), where the displacement of the pressing unit (300) by predetermined difference in length (ΔY_3) has as a consequence the holding force (F_{hold}).

5. Holding device according to claim 2 or claim 3, in which the head-holding bracket (220, 435) has a level (ΔY_1) which is defined parallel with respect to the holding surface (215), where the level (ΔY_1) is less than the predetermined displacement (ΔY_2).
6. Holding device according to one of the foregoing claims, in which the pressing element (340) is adapted, in case of an impact which can be transmitted from the holding device (200) to the inserted mobile telephone (100), to react elastically by the pressing unit (300) being displaced by the mobile telephone (100) as a consequence of the action of a force resulting from the impact so that the impact on the mobile telephone (100) is dampened.
7. Holding device according to one of the foregoing claims, in which the pressing unit (300) comprises a contact unit (310) which is suitable to couple with a corresponding contact unit (150) of the mobile telephone (100).
8. Holding device according to claim 7, in which the pressing unit (300) comprises a flexible circuit board conductor (330) which is connected to the contact unit (310).
9. Holding device according to one of the foregoing claims, in which the elastic pressing element has essentially the elastic properties of a spring.

10. Holding device according to one of the foregoing claims, in which the holding device (200) is configured in such a manner that gripping surfaces (160) of the mobile telephone (100) are disposed on the side and remain freely accessible.
11. Holding device according to one of the foregoing claims, in which the holding device comprises a coupling unit which is adapted for a capacitive and/or inductive coupling of high-frequency signals with an antenna (170) of the mobile telephone (100).
12. Holding device according to one of the foregoing claims, in which the holding device is made of multiple parts and comprises at least one annular holder (430) which comprises at least the head-holding bracket (435), where the annular holder (430) is formed, in a plan view, essentially in the form of a frame.
13. Holding device according to claim 12, in which the annular holder (430) has, in a side view, an essentially U-shaped or V-shaped form.
14. Holding device according to claim 12 or claim 13, in which the annular holder (430) comprises the foot-holding bracket (436).
15. Holding device according to one of the claims 12 to 14, in which the holding device is composed of individual components, where the components comprise a main tray (400) with a receptacle (405) for a coupling unit (410) and a coupling holder (420) and with a receptacle (406) for a foot tray (440), the pressing unit (450), and the annular holder (435).